

The Luminance of Intense Spark Discharges,  
by F. Trunzel.

GERMAN, per, Optik, Vol III, No 1/2, 1948,  
pp 128-136.

T.I.L. T.4665  
S.A. 14

Sci & Electricity, Physics 35, 703

Jun 1956

Optical Building Material Made of Binary  
Mixed Crystals, by R. Koops.  
GERMAN, per, Optik, Vol 3, No 4, 1948,  
pp. 298-304.  
IARC 69-11070020P

Sci-Phys  
July 69

388,821

Borries, B. v. THE ENERGY DATA AND LIMITS OF ELECTRON MICROSCOPY, PT. II (CONCLUSION). [1962] 27p. (figs. omitted) 31 refs. Order from SLA \$2.60	62-16513	I. Borries, B. v.
Trans. of Optik (West Germany) 1948, v. 3, p. 389-412.	62-16518	
DESCRIPTORS: *Electron microscopy, Energy, Elec- tron optics, Electron guns, Electron microscopes, Resolution, Focusing		
Content: Results of the investigation of practical electron guns The condenser aperture The brightness and sharpness of the final image The significance of the energy limits for electron microscopy		
(Physica--Optics, TT, v. 9, no. 9)		Office of Technical Services

The Scintillation of Terrestrial Radiation,  
by H. Siedentopf, F. Wissak.  
GERMAN, per, Optik, Vol III, No 5, 6, 1946,  
pp 430-443. 9231681  
ABC-UCRL Tr-1269-L

Sci - NS  
Jan 66

294,234

The Performance of Binoculars in Twilight Conditions,  
by F. Lohle, 17 pp.

Full translation.

GERMANY, Dar, Optik, Vol V, 1949, 6<sup>th</sup> pp 287-308.

CIA/FDD Z-21

EEur - Germany  
Scientific - Physics, <sup>opt. CS,</sup> Binoculars, Twilight Conditions

Oct. 52 CTS/DEX

<p>Steigerwald, K. H. A NEW TYPE OF SYSTEM OF PRODUCING BEAMS FOR THE ELECTRON MICROSCOPE. 21 Aug 61 [12]p. 2 refs. Order from SLA \$1.60</p> <p>Trans. of Optik (West Germany) 1949, v. 5, no. 8/9, p. 469-476.</p> <p>DESCRIPTORS: *Electron microscopes, *Electron beams, Production, Triodes, Cathodes.</p> <p>The usual triode system, with hot cathode, Wehnelt shield and anode, used for beam production in the elec- tron microscope, has been remodeled. By suitable shaping of the Wehnelt electrode so that with regard to illumination intensity, illumination aperture and life- time it is equivalent to a system working with a con- denser and moreover offers the advantage of very small beam current and simple adjustability. (Author) (Physics--Optics, TT, v. 7, no. 1)</p>	<p>61-20700 I. Steigerwald, K. H.</p> <p>Office of Technical Services</p>
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Producing Plane Polarized Light by Thin Dielectric  
Layers, by H. Schroder.  
GERMAN, per, Optik, Vol III, Nos 5/6, 1948, pp 499-503.  
9694661  
DDC RSIC-230

Sci - Phys  
Oct 64

268,317

The Electrostatic Lens as a High Resolving  
Power Velocity Analyzer, by G. Mollenstedt,  
19 pp.

GERMAN, Ber, Optik, Vol V, No 8/9, 1949, pp 499-  
517.

NAVY Tr 1243/MRL 537

Sci - Physics

89,136

Rang, O.  
THE ELECTROSTATIC STIGMATOR. A CORRECTIVE FOR ASTIGMATIC ELECTRON LENSES.  
(1962] 18p. (18 figs. omitted) 16 refs.  
Order from SLA \$1.60

62-16202

Trans. of Optik (West Germany) 1949, v. 5, no. 8/9.  
p. 518-530.

DESCRIPTORS: Electron microscopy, \*Electron lenses, \*Optical instruments, \*Electrostatic fields, Lenses, Aspherical lenses, Refractive properties, Electron optics, Cylindrical bodies.

One can employ cylindrical-lens systems in electron-optics to compensate for astigmatic error, as in light optics. An electrostatic field was proposed by O. Schärer, which had the projecting characteristics of two crossed cylindrical lenses with oppositely (Physics--Optics, TT, v. 8, no. 6) (over)

62-16202

I. Title: Stigmator  
I. Rang, O.

Office of Technical Services

Determination of the Absorption Coefficients of  
Soot Particles of Various Flames, by F. Rossler.  
GERMAN, per. Optik, Vol 6, No 3, 1950, pp 145-151.  
C.E. Trans \$249

Sci-  
June 70

<p>Euler, J. and Huppner, W. CONCERNING A QUANTITATIVE SCHLIEREN PROC- ESS WITHOUT PHOTOMETRY (Über ein Quantitatives Schlierenverfahren Ohne Photometrie). [1963] [9p] (foreign text included) 4refs Order from SLA \$1.10</p> <p>Trans. of Optik (West Germany) 1950, v. 6, no. 6, p. 332-336.</p> <p>DESCRIPTORS: *Schlieren photography, *Color photog- raphy, Optical filters, Prism (Optics)</p> <p>By the insertion of a second prism in the color schlieren arrangement according to Schardin and Stamm and by the use of a slit and a one-sided schlieren diaphragm, a structure is obtained, which, from the black-and-white image, in certain cases permits quantitative assertions, without photometry, with respect to the angle of deflec- (Physics--Optics, TT, v. 10, no. 12) (over)</p>	<p>63-20493</p> <p>I. Euler, J. II. Huppner, W.</p> <p>Office of Technical Services</p>
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Concerning the Light Emissions of High-Current  
Spark Gap Discharge, by Von G. Glaser, 61 pp.  
UNCLASSIFIED

GERMAN, per, Optik, Vol VII, Stuttgart, 1990,  
pp 33-90.

ATIC F-TS-8149

Scientific - Physics

5592

Spherical Correction of Electron Lenses by Means of  
Image-Forming Units without Axial Symmetry, by R.  
Seeliger.

GERMAN, per, Optik, Vol VIII, No 7, 1951, pp 311-  
317.

CSIRO-2813

Sci

Aug 58

71,061

The Dispersal of the Optical Absorptive Power  
of Soots from Flames, by W. Pepperhoff.  
GERMAN, par, Optik, Vol 8, 1951, pp 354-366.  
CIOB/C.E. Trans 5206

Sci-Phys  
Dec 69

398,168

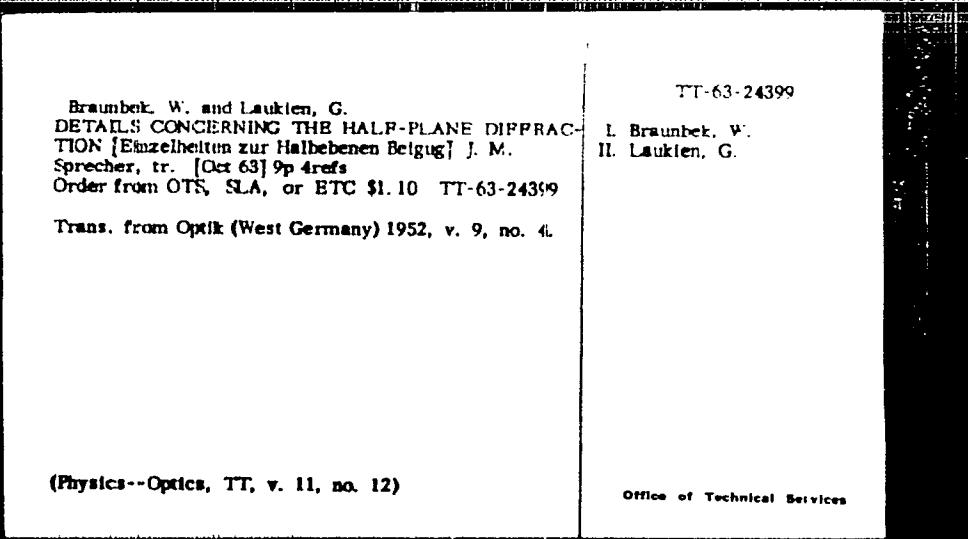
Apparatuses for Measuring the Thickness of Thin Coatings, by G. C. Monch

GERMAN, per, Optik, Vol VIII, 1951, pp 550-560.

Nat'l Res Council Canada TT 315

Scientific - Engineering  
Jul CTS/DEN Price 0.25

16,362



<p>Schiebel, M. ELECTRON OPTIC VELOCITY FILTER (Elektro-nenoptische Geschwindigkeitsfilter). [1963] [18p] 16refs Order from SLA \$1.60</p> <p>Trans. of Optik (West Germany) 1952, v. 9, no. 4, p. 145-153. (Abstract available)</p> <p>DESCRIPTORS: "Electron optics, "Electron microscopes, "Electric filters, "Electron lenses, Velocity, Distortion, Inelastic scattering, Resolution, Integrators.</p> <p>The normally thin contrast of the electron microscope image is reduced further by chromatic aberration. A possibility of reducing the chromatic aberration is the filtering out of the electrons which are inelastically scattered at the object. In the following work it is (Engineering--Electronic, TT, v. 11, no. 5) (over)</p>	<p>TT-64-10038</p> <p>I. Schiebel, M.</p> <p>TT-64-10038</p> <p>Office of Technical Services</p>
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A New Method of Measuring Focal Length, by H.  
Schultz.

GERMAN, per, Optik, Vol IX(4), 1952, pp 167-173.

A.C.S.I.L. (Admiralty)  
Tr No 52/478 OT 398

Scientific - ~~Measurement~~, & focal length, optics

Index Aeronauticus

1952 49 M P174-179 70-11190-20F <>  
1952 49 M P201-226 70-11797-20F <>

ORDER FROM NTC

Determination of the Shape of Thin Single  
Crystal Lamellae Using the Fringes Produced  
by Crystal Lattice Reflections, by O. Band.  
GERMAN, per, Optik, Vol 10, 1953, pp 90-106.  
MO/T 705

Sci-Phys  
Dec 69

398,216

Dynamic Pressure Stage Elements for the Projection  
of Intense Monokinetic Corpuscular Beams Into  
Gases at High Pressure, by B. Wohlmacher, 13 pp.

GEMAN, per, Optik, Vol X, 1953, pp 116-131.  
Avail from ABSCO Tech Serv Tr B3740, East Orange,  
N. J.

AEC Tr 2070

Scientific - Physics

Mar 55 CTS/DEX

22, 28.5

the Production of Linearly Polarized Light  
by Reflection From Coated Metals, by H. Schopper,  
17 pp.

GERMAN, per, Optik, Vol X, No 1953, p 426.  
9069005

AEC-tr-85398

Sci + Min/Met  
Dec 62

2/2/88

A Simple Stigmator for Magnetic Electron Lenses, by S. Leisegang.

CHETAM, par, Optick, Vol XI, No 2, 1954,  
pp 49-60.

Broken Hill Prop Co Ltd  
(CRL/T.648)

Sci - Phys  
Apr 62

191, 416

Theory and Practice of Electron Microscopic  
Stereophotography, by J. G. Helmhke, 29 pp.

GERMAN, phys. Optik, Vol XI, No 5, 1954,  
pp 801-825. 9007259

DDC R&D-63

Sci - Phys  
Oct 63

345, 219

ATC 6-1574-62

2767  
11 Oct 68

RF

On the Balkanized State of Accommodation by R.  
Schabot,

Comment, part, Optik, Vol.11, No.6, (?), 1954, pp282-290,

Special Type "B": Translator's draft plus one

EW/led

T.O. 21 Oct 68

source- do not mutilate pg

Fragstein, C. v.

ON THE FORMULATION OF KIRCHHOFF'S LAW  
AND ITS USE FOR A SUITABLE DEFINITION OF  
DIFFUSE REFLECTION FACTORS (Über die Formu-  
lierung des Kirchhoffschen Gesetzes und Ihre Bedeutung  
für eine zweckmäßige Definition von Remissionszah-  
len). [1962] [24]p. (Foreign text included) 5 refs.

Order from SLA \$2.60 62-16028

Trans. of Optik (West Germany) 1955, v. 12, no. 2,  
p. 60-70.

DESCRIPTORS: \*Optics, Theory, Diffusion, Reflection,  
Absorption, \*Blackbody radiation, Light, Mathematical  
analysis.

Kirchhoff's law can be stated either for a small solid  
angle d<sup>n</sup> or for a halfspace (hemisphere). Each case  
requires a separate exact definition of the constants  
necessary for the characterization of emission, ab-  
sorption and diffuse reflection. Kirchhoff's law is di-  
(Physics--Optics, TT, v. 8, no. 5) (over)

62-16028

1. Title: Kirchhoff's law  
1. Fragstein, C. v.

Office of Technical Services

Effect of Small Aberrations Upon the Image  
Contrast, by A. Marechal.

GERMAN, per, ZOptik, Vol XIII, 1955, pp 118-122.

CSIRO

Sci - Phys  
Jan 62

199, 598

Bae, E. H.

A NEW FINE-BEAM ELECTRON GUN WITH AN  
INDIRECTLY-HEATED TUNGSTEN ROD CATHODE  
AND ION SEPARATION. [1963] 8p. (figs. omitted)  
7 refs.

Order from CIA \$1.10

63-18757

I. Bae, E. H.

63-18757

Trans. of Optik (West Germany) 1955, v. 12,  
p. 377-384.

DESCRIPTIONS: \*Electron guns, \*Tungsten, \*Cathodes,  
Cathode ray tubes, Ions, Separation, Electron beams,  
Design, Operation.

The electron gun differs in two essential features from  
conventional arrangements: (1) Use is made of an  
indirectly-heated tungsten cathode, the so-called rod  
cathode. (2) The arrangement enables the positive  
ions to be separated from the electron beam. (Author)  
(Engineering--Electronic, TT, v. 10, no. 12)

Office of Technical Services

Effect of the Moellenstedt Velocity Analyzer,  
by W. Lippert, 9 pp.

GERMAN, per, Optik, Vol XII, No 10, 1955,  
pp 467-475.

Navy Tr/344/NRL561

Scientific - Physics  
Jul 56 CMB/Sec

36, 0256

Galilean Telescopes, by H. Schulz, 3 pp.

GRIMM, per, Optik, Vol X, No 11, pp 564-566.

CIA/FDD/Z-123

Scientific - Geophysics

19,048

<p>Bender, H. DIFFRACTION PHENOMENA ON A DIAPHRAGM WITH PADING-CUT BORDER. [1960] 8p. 1 ref. Order from SLA mi\$. 80. pb\$. 80 61-10124</p> <p>Trans. of Optik (East Germany) 1954, v. 11, no. 5, p. 244-248.</p> <p>Two examples show that cases exist in which it is de- sirable to suppress the diffraction at the borders of the diaphragm.</p> <p>141,142</p> <p>(Physics--Optics, TT, v. 5, no. 2)</p>	<p>61-10124</p> <p>I. Diffraction--Analysis I. Bender, H.</p> <p>Office of Technical Services</p>
--	---

On Random Light in Optical Instruments, by  
J. Hartmann, 23 pp.

GERMAN, per, Optik, Vol XI, 1954, pp 351-365.

SIA Tr 2429

Sci-Physics

50, 587

Aug 57

Determination of the Chromatic Aberration Constant of Magnetic Lenses, by H. Watanabe and H. Morito.

GERMAN, per, Optik, Vol XII, No 4, 1955, pp  
166-172.

CSIRO-2808

Sci

Aug 58

71,063

Simple Interference Prisms for Determining the  
Thickness of Thin Layers, by G. C. Monet, 8 pp.

GERMAN, per, Optik, Vol XII, No 5, 1955, pp 226-232.

ATIC F-TS-8696

34,272

Germany

Scientific - Physics

Nov 55 CTS/DEX

The Effect of Thin Layers and the Visibility of  
the Boundary Line of Total Reflection, by K. Andree.

GERRMAN, per, Optik, Vol XIII, No 4, 1956, pp 175-  
185.

ASLIV-GB175

Sci

Aug 58

71,055

On the Use Of Point Cathodes In Electron Optics  
by Y. Sakaki and G. Mollenstedt.

GERMAN, per, Optik, Vol XIII, No 5, 1956, pp 193-200.

CSIRO

Oct. 62

Diffractive Theory of the Image in a  
Prismatic Spectral Apparatus with Rectangular  
Aperture, by K. D. Niemann.  
GERMAN, pub, Optik, Vol 13, 1956, pp 437-62.  
SIA T7-66-11075

331, 6:8

Sci  
Jul 67

Light Refraction and Dispersion of Optical  
Glasses in the Invisible Spectral Region,  
by F. Reitmayer.

GERMAN, per, Optik, Vol XII, 1956,  
pp 544-559.

ASLIB GB 105

Sci - Phys  
Apr 62

192, 088

Thickness Determination of Microscopic Objects  
by Triple Slit Interference, by A. Menzel.

GERMAN, per, Optik, Vol XIV, 1957,  
pp 151-164.

CSIRO

Sci - Phys

191,744

Apr 62

Radiation Constants, Maximum Luminous Efficiency,  
and Optical Temperature Scale, by E. Moer, U  
Stille, C. Tingwaldt, UNCL

GERMAN, per, Optik, Vol XIV, 1957, pp 291-302.

DSIR/32589/CT

6B/29

Sci - Phys  
Feb 59

81, 427

<p>Krobel, W. A SIMPLE ELECTRICAL METHOD FOR THE DIRECT MEASUREMENT OF THE VELOCITY OF LIGHT FOR USE IN CLASSROOM AND LABORATORY DEMONSTRATIONS. Apr 60 [12]p. 5 refs. Picatinny Arsenal Trans. no. 81; AD-236 383. Order from OTS or SLA \$1.60 Trans. of Optik (West Germany) 1957, v. 14, no. 7/8, p. 353-360.</p> <p>DESCRIPTORS: *Light, Velocity, Measurement, *Electrical equipment.</p> <p>An electrical measuring arrangement is described which permits a direct determination of the velocity of light over distances from 5 to 10 meters with an error margin of less than 1%. This arrangement commends itself by its simplicity of procedure and it reduces the measurement itself to a direct reading of time interval from the screen picture of a cathode ray tube and a measurement of distance. (Author)</p>	<p>60-17401</p> <p>I. Krobel, W. II. PA Trans-81 III. Joint Publications Research Service, New York IV. AD-236 383</p> <p>09:01</p> <p>Office of Technical Services (Physics--Optics, TT, v. 6, no. 8) 8-24-61</p>
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Microscopic and Oscillographic Examinations of  
the Electroluminescence of Isolated Diamonds,  
by J. Krautz, G. Zollfrank

GERMAN, per, Optik, Vol XIV, 1957, pp 446-457

\*Research Translation Center  
Emmanuel College  
The Fenway  
Boston, Mass.

Sci - Phys  
Mar 62

Resolving Power and Frequency Range In the Photo-  
graphic Reproduction Of High-contrast Objects by  
W. Lukosz.

GERMAN, per, Optik, Vol XIV, 1957, pp 490-502.

CSIRO

Oct 62

Measurement Of the Optical Transmission Factor by  
A. Lohmann.

GERMAN, per, Optik, Vol XIV, 1957, pp 510-518.

CSIRO

Oct. 62

The Theory of Photoelectric Emission, by P. Gorlich,  
H. Hora, 11 pp.

GIERMAN, par, Optik, Vol. XV, 1958, pp 116-126.

AEC UCRRL-Trans-564(L)

Sci - Phys  
9 Jan 61.  
List 46

135, 534

Investigation of the Long-Focus Cathode According  
to Steigerwald, by F. W. Braucke, 15 pp.

GERMAN, per, Optik, Vol XV, 1958, pp 242-260.

SLA 61-1f909

Sci  
Mar 62  
Vol VII, No 3

188, 074

Greater Matching-Accuracy With Disappearing Filament  
Optical Pyrometers by Means of Contrast Plates,  
by J. E. Bulter, 17 pp.

GERMAN, per, Optik, Vol XV, 1958, pp 372-381.  
920Rg85

AEC-Tr-5725

Sci - Phys

234,283

Jun. 63

Haidinger Interferometer With Linear Scale for  
Measuring Changes in Thickness of Plane Parallel  
Plates, by R. Riekher.

~~Journal~~, Optik, Vol XV, No 12, 1958, pp 713-723.

*Journal*

CSIRO/No 5856

Sci  
Jun 63

On the Accuracy of Measurement 6, the  
Determination of Absorption Constants of  
Semi-Conductors in the Infrared Spectral  
Region, by F. Oswald, 1<sup>4</sup> pp.

GERMAN, per, Optik, Vol IV, No 9, 1959,  
p 527. 9066979

AEC Tr-5274

Sci .. Phys  
Oct 62

215,530

Braucks, P. W.  
IMPROVEMENT OF THE TELE-FOCUS CATHODE  
DEVELOPED BY STEIGERWALD THROUGH IN-  
STALLATION OF AN ADDITIONAL ELECTRODE.  
[1961] [12]p. 5 refs.  
Order from SLA \$1.60

61-20717

Trans. of Optik (West Germany) 1959, v. 16, no. 5,  
p. 304-312.

DESCRIPTORS: Electron microscopes, \*Electron  
beams, \*Cathodes, Electrodes, Design

By including an auxiliary electrode in the direct focusing system developed by Steigerwald it is possible to increase the intensity of the directed beam and to change the distance of the smallest beam cross section from the emitter by varying the potential on the auxiliary electrode. The effect of the essential values of (Physica--Optica, TT, v. 7, no. 4) (over)

61-20717

I. Braucks P. W.

Office of Technical Services

Simple Procedure for Evaluation of Electron Microscopic Stereo-Pictures, by G. Pohlmann,  
et al.

GERMAN, per, Optik, Vol 16, 1959, pp 461-471.  
HEW NIII 8-18-67

Sci - BM  
Sept. 67

340,453

Studies on the Theory of Spatial Vision, II and IV,  
by N. Guenther, Carl Zeiss, 19 pp.

GERMAN, per, Optik, Vol. XVII, No 3, 1960, pp 168-176.  
9689181

IDC RSIC-75

Sci - Physics  
Nov 61

243,4477

Studies on the Theory of Spatial Vision, II and IV,  
by N. Gennethor, Carl Zeiss, 19 pp.

GERMAN, per, Optik, Vol XVII, No 5, 1960, pp 278-282.  
9689181.

DDC RSMC-75

Sci - Physics  
Nov 63

243,479

Characteristic Magnitudes of Diffuse Radiation, by G. Bauer.

GERMAN, per, Optik, Vol XVII, No 6, 1960,  
pp 315-329.

CSIRO 5299

191, 391

Sci - Phys  
Apr 62

A Method for Simplified Calculation with Planck's  
Radiation Law, by M. Czerny,

GERMAN, per, Optik, Vol XVII, No 12, 1960,  
pp 671-677.

CSIRO/No. 5544

Sci  
Dec 62

A Simple Method for Determining the Refractive  
Index of Thin Weakly Absorbing Films,  
by A. Heisen.

GERMAN, per, Optik, Vol XVIII, No 1,  
1961, pp 27-36.

GB/4/T/1683

Sci  
Dec 62

Optical Density and Thickness of Evaporated Carbon  
Films, by K. Graff.  
GERMAN, per, Optik, Vol XVIII, 1961, pp 120-129.  
923J909  
AEC-ANL-Tr-249

Sci - Eng  
Feb 66

295,433

The Effect of the Maximum Optical Path Length Difference  
and of the Noise in Interferometric Spectroscopy, by  
M. ~~SOEK~~ Schubert.  
GERMAN, per, Optik, Vol XVIII, No 3, 1961, pp 147-156.

CSIRO/No 6473

Sci -- Phys

Feb 64

*Emmanuelle cell Red Gasley*  
*E-T-H-63-220*  
*250,144 (922942)*

Use of the Fresnel Zone Plate For Testing, by A. Lohmann, 9 pp.  
GERMAN, per, Optik, Vol XVIII, No 10, II, 1961, pp 514-518.  
9218847

Emmanuel Coll Res Lang Ctr  
E-T-G-63-32

Sci - Phys  
Feb 64

249,128

Reflection of Measurement on Open Cavities,  
by G. Bauer.

GERMAN, per, Optik, Vol XVIII, No 12,  
1961, pp 603-622.

CSIRO/No 6191

1

Sci-Phy

Aug 63

*342,025*

Reduction of Contamination of Walls Surrounding  
the Sample by Ion Bombardment, by R. Buhl, 13 pp.  
GERMAN, per, Optik, Vol XIX, No 2, 1962, pp 122-131.  
9222990  
AEC-ORNL-Tr-145

Sci-Phys  
Aug 64

265,150

Investigations on Atomizer Chambers for Emission  
and Absorption Flame Photometry, by R. Herrmann,  
W. Lang.

GERMAN, per, Optik, Vol XIX, 1962, pp 208-217.

NZDIA

Sci-Phys  
July 63

236, 276

Hora, Heinrich.

ARRANGEMENT FOR MEASURING THE SPECTRUM  
WITHOUT OPTICAL METHODS. [1963] [20]p. 6 refs.  
Order from SLA \$1.60

63-18723

Trans. of Optik (West Germany) 1962, v. 19, no. 7,  
p. 357-368.

DESCRIPTORS: \*Spectrum analyzers, Light, \*Photoelectric cells (Semiconductor).

Physical principles of a method are described for measuring the spectral distribution of light intensities by purely electronic methods, without applying any well-known optical and spectroscopic equipment, such as gratings, filters or prisms. The method requires only a suitable photoelectric cell. The function of intensity I is coordinated definitely with frequency of a current-voltage function of the photoelectric cell.  
(Physics--Optics, TT, v. 10, no. 11) (over)

63-18723

I. Hora, H.

Office of Technical Services

Burner for Absorption Flame Photometry, by  
W. Lang, R. Herrmann.

GERMANY, per, Optik, Vol XIX, 1962, pp 422-433.

NIDIA

Sci-Phys  
July 63

236,279

Roessler, F. and Horlacher, L.  
OPTICAL PROPERTIES OF MAGNESIUM OXIDE  
PARTICLES. [1963] 18p 10refs  
Order from SLA \$1.60

TT-64-10906

Trans. of Optik (West Germany) 1962, v. 19, no. 9,  
p. 451-462.

DESCRIPTORS: Particles, Oxides, \*Magnesium com-  
pounds, Optical properties.

(Physics--Optics, TT, v. 11, no. 10)

TT-64-10906

I. Roessler, F.  
II. Horlacher, L.

Office of Technical Services

A Colloquy of Optical-Pyrometrical Temperature  
Measurements, by J. Verch.  
Gesellschaft für Optik, Vol XIX, No 3, 1962, pp 580-651.  
KASS TT F-939

Sci-Phys  
Jan 00  
U.S. GOVERNMENT ONLY

282.591

Scattering of Light, Polarization and Extinction  
of Ammonium Chloride and Cigarette Smoke, by  
E. Volz,  
GERMANY, per, Optik, Vol XX, No 6, 1963, pp  
293-303.  
Dept of Navy/NRL No 1085

Sci-Phys  
Jan 67

318,197

By: Walter W. Shaffer

Appellee, Vol. 16 (1963).

Language: German

Please do not photograph and type 1 copy only.

Spectral Sensitivity of Thermal Radiation Receivers,  
by K. Bischoff.

GERMAN, per, Optik, Vol 21, No 10, 1964, pp 521-525.

NTC-71-10382-20F

CSIRO/21.74.20

Nov 71

The Geometric and Optical Conditions Prevailing  
Behind the Exit Slit of a Monochromator in Measuring  
the Spectral Sensitivity of Receivers, by G. Bauer.  
GERMAN, per, Optik, Vol 21, No 10, 1964, pp 526-531.  
NTC-71-10381-20F

CSIRO/nc. 4719

Nov 71

Use of Moire Fringes for the Determination of Small  
Refractive Index Gradients in Stratified Substances,  
by W. Nebe.

GERMAN, per, Optik, Vol 21, No 11, 1964, pp 579-586.  
NTC-71-10383-20F

CSIRO/KA 7442

Nov 71

The Raman Effect, by M. Born.

GERMAN, Optik Ein Lehrbuch der elektromagnetischen  
Lichttheorie, Berlin, 1933, pp 390-403.

ABC Tr 623

Scientific - Physics

Oct 1951 CTG

15,811

On the Motion of the Ions and the Profile of the  
Spark Lines in the Positive Column of a Discharge.  
II. Radial Motion of the Ions in a Low Pres-  
sure Discharge, by Yu. M. Kagan and V. I. Perel,  
GERMAN, par. Optika i Spektroskopiya, Vol 4, No 1,  
1958,  
NLL Ref: 5828.4F (M 7803)

Sci/Chem  
Mar 70

404,100

Inelastic Collisions Between Excited and  
Unexcited Cesium Atoms, by H. Bunke, R. Seiwert.  
GERMAN, rpt, Optik Und Spektroskopie Aller  
Wellenlangen, East Germany, 27-31 Oct. 1960,  
pp 409-419.  
NASA TT F-9775

U. S. GOVERNMENT USE ONLY  
Sci-Phys

Apr 66

298,769

The Scattering Spectrum of the Atmosphere , by K. Lenz, 11 p.  
GERMAN, rpt, Optik und Spektroskopie  
aller Wellenlagen, 1962, pp 623-629.  
9699024  
AFCRL G-T-G-65-15

Sci-Bar Sci  
Mar 66

297,570

Basic Phenomenological Theory of the Optical Properties of Thin Films, by G. V. Rozenberg,  
38 pp.  
RUSSIAN, mono, Optika Tonkosloynykh Pokrytiy,  
1958, pp 62-105.  
ARM/FSTC/IM-23-1188-70

Sci/Phys  
Jan 71

Optical Properties of Real Metallic Films and  
Microtheory, by G. V. Rozenberg, 72 pp.  
RUSSIAN, mono, Optika Tinkosloynikh Pokrytiy,  
1958, pp 268-354.  
ARM/FSTC/HT-23-1187-70

Sci/Phys  
Jan 71

Opticomechanical Instruments, by Nandor Barany,  
Laszlo Mitnyan, 1,277 pp.  
HUNGARIAN, bk, Optimechanikai Muszerek,  
Budapest, 1961, pp 1-907. 9692646-V  
FTD-TT-62-909

Sci - Engr  
May 64

260,060

Mauthner.  
ON METAMORPHOPIA. Sp.  
Order from SLA \$1.10

TT-61-14833

Trans. of mono. Optische Fehler des Auges, n.p.,  
n.d., p. 537-540

TT-61-14833

I. Mauthner

(Biological Sciences--Pathology, TT, v. 12, no. 4)

Office of Technical Services

<p>Rohr, Moritz v. ON THE HISTORY OF PUNKTAL GLASSES (Zur Geschichte der Punktalgläser). [1961] 28p. (10 figs refs. omitted). Available on loan from SLA 61-10943  Trans. in manuscript from Optische Rundschau u[nd] Photo-Optiker (Germany) 1932; no. 28.  DESCRIPTORS: *Lenses, History, *Optical equipment, Optics, Vision, Medical research, Germany, *Eye, *Ophthalmology.  (Unannounced)</p>	<p>61-10943 I. Title: Punktal glasses I. Rohr, M. v.  j b 1 C 3 :  Office of Technical Services</p>
---	---

R-930-N

Hoofdstuk II, by H. Brinkman

GERMAN, bk, Optische Studie Van De Elektrische  
Lichtboog, pp 10-28.

\*JPRS/US Army Ord Missile Command  
Redstone Arsenal, Alabama

Sci - Phys  
June 62

R-931-N

Hoofdstuk VI, by H. Brinkman

GERMAN, bk; Optische Studie Van De Electrische  
Lichtboog, pp 76-84

\*JPRS/US Army Ord Missile Command  
Redstone Arsenal, Alabama

Sci - Phys

June 62

Boeghold, H.  
THE DETERMINATION OF OPTICAL DEFECTS IN  
THE LENS. [1962] 2p.  
Order from SLA \$1.10

62-10624

Trans. of mono. Das Optische System des Mikroskops,  
n.p., 1959, Art. 9.3, p. 178-179.

DESCRIPTORS: \*Optics, \*Lenses, \*Errors,  
Determination, Test equipment.

62-10624

I. Boeghold, H.

(Physics--Optics, TT, v. 8, no. 7)

Office of Technical Services

Hemodynamics of Aortic Stenosis, by I. G. Porje,  
2 pp.

SWEDISH, per, Opuscula Medica, No 2, 1957,  
pp 62-64.

NIH Tr 6-38

Sci - Biology  
Jul 57

49, 419

On Pulse Recording in Patients With Aortic Stenosis, by F. Lund, 5 pp.

SWEDISH, per, Opuscula Medica, No 2, 1957,  
pp 70-76. *Vol. Mo-*

NIN Tr 6-34

Sci - Medicine  
Jul 57

49451

APPROVED FOR RELEASE: Monday, September 23, 2002

CIA-RDP84-00581R000401210015-4

1964 V5 P21-35

70-21746 <>

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APPROVED FOR RELEASE: Monday, September 23, 2002

CIA-RDP84-00581R000401210015-4

Ordenes, Boletines, Circulares y Memoranda.

ENGLISH to SPANISH, Training Manual, Orders, Bulletins,  
Circulars and Memoranda, TM 12-256, 16 Jul 1947.

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Fort Amador, Canal Zone  
.15

IN 2000

Executive Order of the Federal Resolution Concerning New Measures to be Taken to Stimulate Research and the Training of Specialists in the Atomic Energy Field,

FRENCH, bk, Ordonnance d'Execution de l'Arrete Federal Concernant de Nouvelles Mesures a Prendre pour Encourager la Recherche et la Formation de Specialistes dans le Domaine de la Science Atomique, 1 May 1959, 3 pp.

JAN 1961  
\*AEC

Sci  
9 Jan 61